

Communications?

But I'm an Engineer!!!



Why do Engineers Love Asset Management?

- **A Structured Program**
 - AM is highly structured
 - Asset decisions are made in repeatable and supportable ways, based on good data!
 - AM's structure always includes continuous improvement cycles
- **Specified Service Levels**
 - AM doesn't want to deliver the optimum service—it wants to deliver specified levels of service
 - These levels are selected based on service level/cost tradeoffs
 - Ideally, service levels are “agreed” with customers in full knowledge of those tradeoffs
- **Minimizing the Costs of Asset Ownership**
 - All asset decisions (acquire, maintain, refurbish, replace) are made on a life cycle basis
 - Each decision minimizes the present value of all future ownership costs
 - Costs must include economic, environmental, and social costs (“triple bottom line”)
 - Decisions must consider risk costs

Asset Management Project Overview

Task 1 Asset Inventory	Task 2 Levels of Service	Task 3 Prioritization	Task 4 Life Cycle Cost Analysis	Task 5 Funding Strategy	Task 6 Implementation Plan	Task 7 Communications Plan
Purpose <ul style="list-style-type: none"> Data Discovery Gap Identification Output <ul style="list-style-type: none"> Gap Analysis Memorandum 	Purpose <ul style="list-style-type: none"> Strategic Plan Alignment Performance Management Output <ul style="list-style-type: none"> Levels of Service Profiles 	Purpose <ul style="list-style-type: none"> Protocol Development Risk Modeling Output <ul style="list-style-type: none"> CoF and PoF Analyses Asset Risk Data 	Purpose <ul style="list-style-type: none"> Asset Rehabilitation Cost Analysis Output <ul style="list-style-type: none"> Cost Data 	Purpose <ul style="list-style-type: none"> Funding Gap Analysis Levels of Service Alignment Output <ul style="list-style-type: none"> Funding Strategy Memorandum 	Purpose <ul style="list-style-type: none"> Roles & Responsibilities Change Management Output <ul style="list-style-type: none"> Integrated Implementation Work Plan Change Control Strategy 	Purpose <ul style="list-style-type: none"> Stakeholder Evaluation Messaging Output <ul style="list-style-type: none"> Communications Plan



Stormwater and Wastewater Asset Management Plan

It's NOT WORKING



ASCE Infrastructure Report - 2001

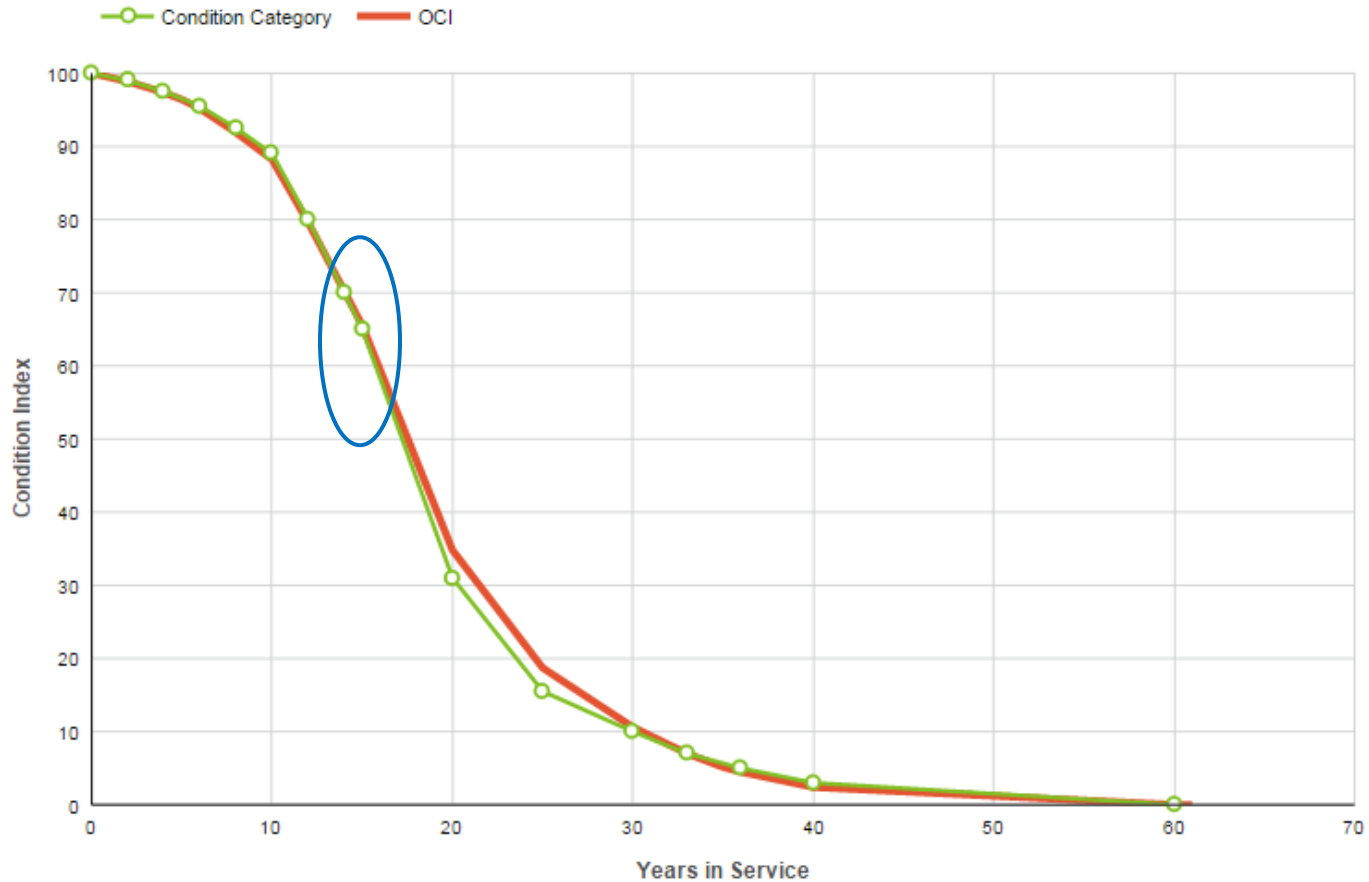
America's Infrastructure G.P.A. = D+
Total Investment Needs = \$ 1.3 Trillion
(estimated 5-year need)

ASCE Infrastructure Report - 2016



Asset Management Theory

Expected Performance



Pavement Condition Index - "80"



Main Street



Washington Street

Pavement Condition Index - "20"

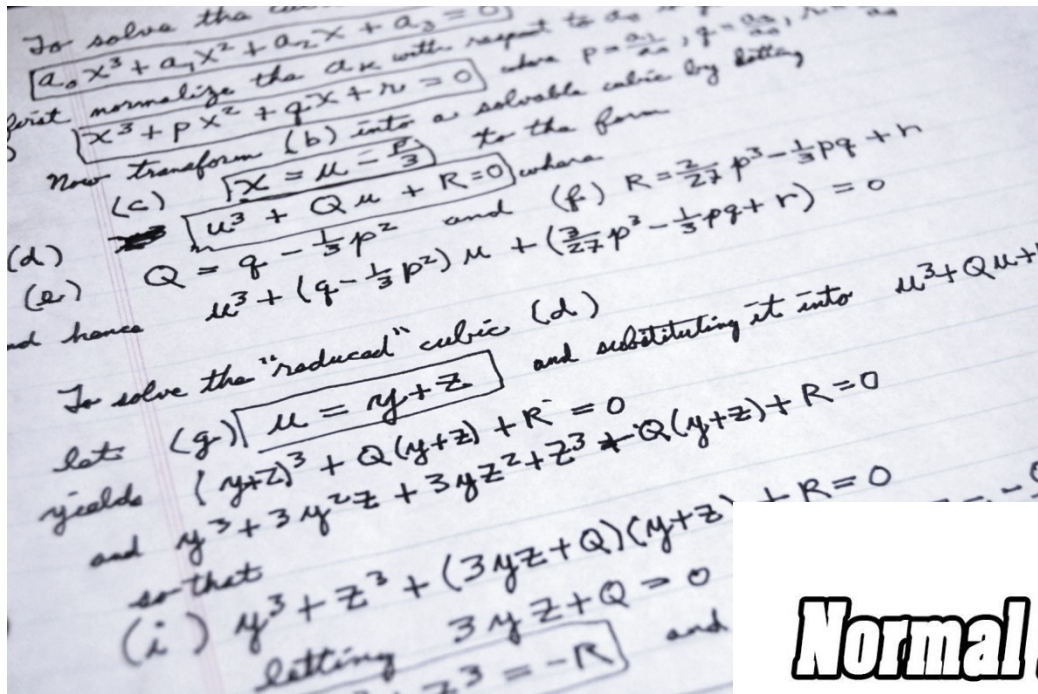


Jordan Road

Gilsum Street



It's not our fault



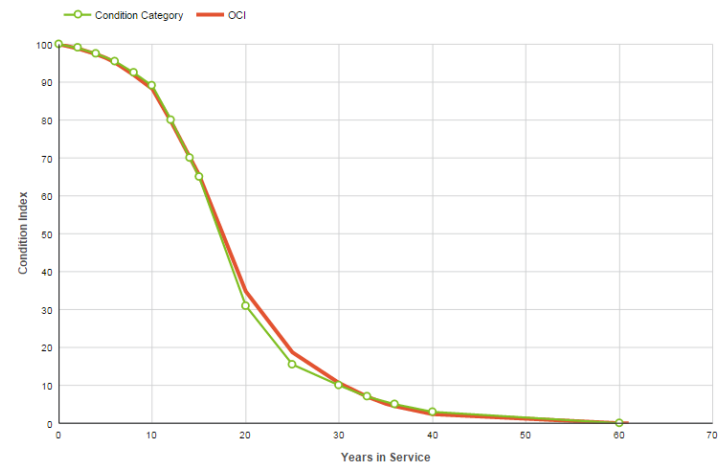
Normal People Vs Engineer



Can we do better?

- Know your audience
- Take a victory lap
- Embrace your passion
- Tell a story
- When all else fails...

Expected Performance



THANKS!

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